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|---------|------|-----------------|---|----------------|---------|------------------|
| #<br>L1 | 342  | (715/511).CCLS. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | Operator<br>OR | OFF     | 2005/10/27 11:58 |
| L2      | 3669 | (707/100).CCLS. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR             | OFF     | 2005/10/27 11:58 |
| L3      | 494  | (703/27).CCLS.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR             | OFF     | 2005/10/27 11:58 |
| L4      | 1288 | (707/9).CCLS.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR             | OFF     | 2005/10/27 11:58 |
| L5      | 1377 | (709/246).CCLS. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR             | OFF     | 2005/10/27 11:58 |
| L6      | 4123 | (709/223).CCLS. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR             | OFF     | 2005/10/27 11:58 |
| L7      | 2121 | (705/37).CCLS.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR .           | OFF     | 2005/10/27 11:59 |
| L8      | 375  | (719/330).CCLS. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR             | OFF     | 2005/10/27 11:59 |
| L9      | 1009 | (715/530).CCLS. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR             | OFF     | 2005/10/27 11:59 |

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| L10 | 14466 | 123456789   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/10/27 11:59 |
| L11 | 6923  | l10 and @ad<="20010306"                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/10/27 11:59 |
| L12 | . 118 | I11 and ((electronic adj data adj<br>interchang\$3) or EDI) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/10/27 12:00 |
| L13 | 80    | I12 and version\$3  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | OFF | 2005/10/27 12:01 |
| L14 | 35    | l13 and (document\$6 with manag\$5)                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/10/27 12:01 |
| S1  | 0     | (705/206).CCLS.   | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB    | OR   | OFF | 2004/12/08 11:53 |
| S2  | 552   | (713/176).CCLS.   | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB    | OR   | OFF | 2004/09/27 10:32 |
| S3  | 998   | (705/26).CCLS.  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB    | OR   | OFF | 2004/09/27 10:32 |

| S4 | 93 | ("6253193" "6363488" "6389402" "6427140" "5557780" "5897645" "5410675" "6332135" "6336105" "6338050" "6185683" "5832100" "5337360" "5390247" "6104999" "5022080" "5367664" "5794206" "5878419" "6137873" "5202977" "4951196" "6772216" "6507826" "5812669" "6591260" "5813009" "6070177" "6314468" "5787400" "5758126" "5761661" "5893076" "5956688" "6256676" "6308277" "6795868" "6421656" "5805824" "6192381" "5465299" "5493671" "6405211" "6167378" "6182219" "5610995" "5909570" "6671805" "6725423" "6789252").pn.           | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | OFF | 2004/10/27 14:31 |
|----|----|---|--|------|-----|------------------|
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| S9  | 2125 | EDI or (electronic adj document adj exchange)   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR   | OFF | 2004/10/25 15:05 |
| S10 | 690  | (EDI or (electronic adj document adj exchange)) and version\$3  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR   | OFF | 2004/10/25 15:01 |
| S11 | 62   | ((EDI or (electronic adj document<br>adj exchange)) and version\$3)<br>and (document\$6 adj manag\$5)   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR   | OFF | 2004/10/25 15:04 |
| S12 | 184  | (715/511).CCLS.   | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2004/10/25 15:06 |

| S13              | 1  | ((715/511).CCLS.) and (EDI or (electronic adj document adj exchange))   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/10/25 15:05 |
|------------------|----|---|--|----|-----|------------------|
| S14              |    | ("l4andEDI").PN.  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/10/25 15:06 |
| S15              | 1  | ((715/511).CCLS.) and EDI   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/10/25 15:06 |
| S16              | 10 | ((715/511).CCLS.) and (electronic adj data)   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/10/25 15:10 |
| S17              | 2  | ("6493732").PN.   | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/10/25 15:10 |
| S18              | 1  | "6301592".PN.   | USPAT  | OR | OFF | 2004/10/25 15:10 |
| S19              | 1  | "6112024".PN.   | USPAT  | OR | OFF | 2004/10/25 15:11 |
| S20 <sup>-</sup> | 1  | "5983242".PN.   | USPAT  | OR | OFF | 2004/10/25 15:11 |
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| S22 | 63 | (("6253193" "6363488" "6389402"                                | USPAT;    | OR | OFF | 2004/10/26 08:30 |
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|     |    | "6427140" "5557780" "5897645"                                  | EPO; JPO; |    |     | , ,              |
|     |    | "5410675" "6332135" "6336105"                                  | DERWENT;  |    |     |                  |
|     |    | "6338050" "6185683" "5832100"                                  | IBM_TDB   | 1  |     |                  |
|     |    | "5337360" "5390247" "6104999"                                  |           |    |     |                  |
|     |    | "5022080" "5367664" "5794206"                                  |           |    |     |                  |
|     |    | "5878419" "6137873" "5202977"                                  |           |    |     |                  |
|     |    | "4951196" "6772216" "6507826"                                  |           |    |     |                  |
|     |    | "5812669" "6591260" "5813009"                                  |           |    |     |                  |
|     |    | "6070177" "6314468" "5787400"                                  |           |    |     |                  |
|     |    | "5758126" "5761661" "5893076"                                  |           | İ  |     |                  |
|     |    | "5956688" "6256676" "6308277"                                  |           | ļ. |     |                  |
|     |    | "6795868" "6421656" "5805824"                                  |           |    |     |                  |
|     |    | "6192381" "5465299" "5493671"                                  |           |    |     |                  |
|     |    | "6405211" "6167378" "6182219"                                  |           |    |     |                  |
|     |    | "5610995" "5909570" "6671805"                                  |           |    |     |                  |
|     |    | "6725423" "6789252").pn.) and                                  |           |    |     |                  |
|     |    | (EDI or (electronic adj data))                                 |           |    |     |                  |
| S23 | 0  | ((("6253193" "6363488"   | USPAT;    | OR | OFF | 2004/10/26 08:30 |
|     |    | "6389402" "6427140" "5557780"                                  | EPO; JPO; |    |     |                  |
|     |    | "5897645" "5410675" "6332135"                                  | DERWENT;  |    |     |                  |
|     |    | "6336105" "6338050" "6185683"                                  | IBM_TDB   |    |     |                  |
|     |    | "5832100" "5337360" "5390247"                                  |           |    |     |                  |
|     |    | "6104999" "5022080" "5367664"                                  |           |    |     |                  |
| l.  |    | "5794206" "5878419" "6137873"                                  |           |    |     | ,                |
|     |    | "5202977" "4951196" "6772216"                                  |           |    |     |                  |
|     |    | "6507826" "5812669" "6591260"                                  |           |    | İ   |                  |
|     |    | "5813009" "6070177" "6314468"                                  |           |    |     |                  |
| İ   |    | "5787400" "5758126" "5761661"                                  |           | ·  |     |                  |
|     |    | "5893076" "5956688" "6256676"                                  |           |    |     |                  |
|     |    | "6308277" "6795868" "6421656"                                  |           |    |     |                  |
|     |    | "5805824" "6192381" "5465299"                                  |           |    |     |                  |
|     |    | "5493671" "6405211" "6167378"                                  |           |    |     |                  |
|     |    | "6182219" "5610995" "5909570"                                  |           |    |     |                  |
|     | 1  | "6671805" "6725423" "6789252").                                | I         | 1  | 1   | 4                |
|     |    | 1  |           | 1. |     |                  |
|     |    | pn.) and (EDI or (electronic adj<br>data))) and attachement\$1 |           |    |     |                  |

| S24 | 7  | (((("6253193" "6363488" "6389402" "6427140" "5557780" "5897645" "5410675" "6332135" "6336105" "6338050" "6185683" "5832100" "5337360" "5390247" "6104999" "5022080" "5367664" "5794206" "5878419" "6137873" "5202977" "4951196" "6772216" "6507826" "5812669" "6591260" "5813009" "6070177" "6314468" "5787400" "5758126" "5761661" "5893076" "5956688" "6256676" "6308277" "6795868" "6421656" "5805824" "6192381" "5465299" "5493671" "6405211" "6167378" "6182219" "5610995" "5909570" "6671805" "6725423" "6789252"). pn.) and (EDI or (electronic adj data))) and version\$3) and (document adj manag\$5) | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | OFF   | 2004/10/26 08:31 |
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| S26 | 67 | (document\$5 adj manag\$5) and<br>(EDI or (electronic adj data adj<br>interchange))  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF   | 2004/10/26 08:38 |
| S27 | 64 | ((document\$5 adj manag\$5) and<br>(EDI or (electronic adj data adj<br>interchange))) and transaction\$1   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF   | 2004/10/26 08:39 |
| S28 | 54 | (((document\$5 adj manag\$5) and<br>(EDI or (electronic adj data adj<br>interchange))) and transaction\$1)<br>and (bill or (bill near lading))   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF · | 2004/10/26 08:53 |

| S29 | 2375 | communicat\$3 near transaction\$1   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/10/26 08:54 |
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| S30 | 47   | (communicat\$3 near<br>transaction\$1) and (EDI or<br>(electronic adj data adj<br>interchang\$3))   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/10/26 09:07 |
| S31 | 1010 | (705/26).CCLS.  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/10/26 09:08 |
| S32 | 97   | ((705/26).CCLS.) and EDI  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/10/26 09:14 |
| S33 | 3183 | document adj manag\$5   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/10/26 09:14 |
| S34 | 571  | (document adj manag\$5) and version\$3  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/10/26 09:15 |
| S35 | . 95 | ("6253193" "6363488" "6389402" "6427140" "5557780" "5897645" "5410675" "6332135" "6336105" "6338050" "6185683" "5832100" "5337360" "5390247" "6104999" "5022080" "5367664" "5794206" "5878419" "6137873" "5202977" "4951196" "6772216" "6507826" "5812669" "6591260" "5813009" "6070177" "6314468" "5787400" "5758126" "5761661" "5893076" "5956688" "6256676" "6308277" "6795868" "6421656" "5805824" "6192381" "5465299" "5493671" "6405211" "6167378" "6182219" "5610995" "5909570" "6671805" "6725423" "6789252").pn. | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/10/27 14:31 |

| S36 | 8    | (("6253193" "6363488" "6389402" "6427140" "5557780" "5897645" "5410675" "6332135" "6336105" "6338050" "6185683" "5832100" "5337360" "5390247" "6104999" "5022080" "5367664" "5794206" "5878419" "6137873" "5202977" "4951196" "6772216" "6507826" "5812669" "6591260" "5813009" "6070177" "6314468" "5787400" "5758126" "5761661" "5893076" "5956688" "6256676" "6308277" "6795868" "6421656" "5805824" "6192381" "5465299" "5493671" "6405211" "6167378" "6182219" "5610995" "5909570" "6671805" "6725423" "6789252").pn.) and (document adj management) | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2004/10/27 14:34 |
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| S37 | 5    | (("6253193" "6363488" "6389402" "6427140" "5557780" "5897645" "5410675" "6332135" "6336105" "6338050" "6185683" "5832100" "5337360" "5390247" "6104999" "5022080" "5367664" "5794206" "5878419" "6137873" "5202977" "4951196" "6772216" "6507826" "5812669" "6591260" "5813009" "6070177" "6314468" "5787400" "5758126" "5761661" "5893076" "5956688" "6256676" "6308277" "6795868" "6421656" "5805824" "6192381" "5465299" "5493671" "6405211" "6167378" "6182219" "5610995" "5909570" "6671805" "6725423" "6789252").pn.) and (collaborat\$3)           | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2004/10/27 14:32 |
| S38 | 2622 | document adj management   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2004/10/27 14:36 |
| S39 | 415  | (document adj management) and remote  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2004/10/27 14:35 |
| S40 | 742  | (document adj management) and updat\$3  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2004/10/27 14:35 |
| S41 | 0    | (document adj management) and (remote adj updat\$3)   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR. | OFF | 2004/10/27 14:35 |

|     |      |  | l  |    | 0.55 |                  |
|-----|------|--|--|----|------|------------------|
| S42 | 65   | (document adj management) and (EDI or (electronic adj data adj exchang\$3))  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF  | 2004/10/27 14:39 |
| S43 | 52   | ((document adj management) and (EDI or (electronic adj data adj exchang\$3))) and ((check adj in\$1) or (check adj out\$1) or checkin\$1 or checkout\$1) | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF  | 2004/10/27 15:05 |
| S44 | 1    | "6092080".PN.  | USPAT  | OR | OFF  | 2004/10/27 14:44 |
| S45 | 1    | "5813009".PN.  | USPAT  | OR | OFF  | 2004/10/27 14:47 |
| S46 | 5    | "6289460".URPN.  | USPAT  | OR | OFF  | 2004/10/27 14:53 |
| S47 | 82   | edifact  | USPAT  | OR | OFF  | 2004/10/27 14:53 |
| S48 | 31   | edifact and (document adj<br>management)   | USPAT  | OR | OFF  | 2004/10/27 14:56 |
| S49 | 29   | edifact and (document adj<br>management) and attach\$5   | USPAT  | OR | OFF  | 2004/10/27 14:58 |
| S50 | 2    | ("5758126").PN.  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF  | 2004/10/27 15:10 |
| S51 | 154  | updat\$3 near (e adj mail\$1 or<br>(electronic adj mail\$1) or email\$1)   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF  | 2004/10/27 15:11 |
| S52 | 0    | (updat\$3 near (e adj mail\$1 or<br>(electronic adj mail\$1) or<br>email\$1)) and (document adj<br>management)   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF  | 2004/10/27 15:11 |
| S53 | 0    | (EDI or EDIFACT or "ASNI X12" or X12 or XML/EDI) same attachement\$1   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF  | 2004/10/28 10:02 |
| S54 | 1    | (EDI or EDIFACT or "ASNI X12" or<br>X12 or XML/EDI) and<br>attachement\$1  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF  | 2004/10/28 10:26 |
| S55 | 1377 | (file adj transfer adj service\$1) or (FTS)  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF  | 2004/10/28 10:26 |
| S56 | 130  | file adj transfer adj service\$1   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF  | 2004/10/28 10:26 |

| S57 | 46    | (file adj transfer adj service\$1)<br>and EDI  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/10/28 10:27 |
|-----|-------|--|--|----|-----|------------------|
| S58 | 39    | (file adj transfer adj service\$1)<br>and attachments  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/10/28 10:27 |
| S59 | · 31  | ((file adj transfer adj service\$1) and attachments) and EDI   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/10/28 10:31 |
| S60 | 46126 | (email\$1 or (e adj mail\$1) or<br>(electronic adj (mail\$1 or<br>message\$1)))  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/10/28 10:32 |
| S61 | 429   | ((email\$1 or (e adj mail\$1) or<br>(electronic adj (mail\$1 or<br>message\$1)))) and (document\$1<br>adj management\$1)   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/10/28 10:32 |
| S62 | 431   | ((email\$1 or (e adj mail\$1) or<br>(electronic adj (mail\$1 or<br>message\$1)))) and (document\$1<br>adj (management\$1 or<br>maintenance\$1))                          | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/10/28 10:33 |
| S63 | 242   | (((email\$1 or (e adj mail\$1) or<br>(electronic adj (mail\$1 or<br>message\$1)))) and (document\$1<br>adj (management\$1 or<br>maintenance\$1))) and version\$3         | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/10/28 10:40 |
| S64 | 78    | ((((email\$1 or (e adj mail\$1) or (electronic adj (mail\$1 or message\$1)))) and (document\$1 adj (management\$1 or maintenance\$1))) and version\$3) and attachment\$1 | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/10/28 10:40 |
| S65 | 595   | updat\$3 same (email or (e adj<br>mail)) same (html or web or page)  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/10/28 14:51 |
| S66 | 161   | updat\$3 with (email or (e adj<br>mail)) with (html or web or page)  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/10/28 14:53 |
| S67 | 7790  | updat\$3 with (html or web or page)  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/10/28 14:54 |

| S68 | 1834        | updat\$3 near (html or web or page)                                     | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/10/28 14:54 |
|-----|-------------|---|--|----|-----|------------------|
| S69 | 126         | (updat\$3 near (html or web or page)) and email                         | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/10/28 14:54 |
| S70 | 416         | EDI same (document\$1 or transaction\$1)                                | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/10/29 10:35 |
| S71 | 336         | EDI with (document\$1 or transaction\$1)                                | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/10/29 10:35 |
| S72 | 25 <u>2</u> | EDI near5 (document\$1 or transaction\$1)                               | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/10/29 10:35 |
| S73 | 134         | EDI near (document\$1 or transaction\$1)                                | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/10/29 10:35 |
| S74 | . 2         | EDI near ((document\$1 or transaction\$1) adj manag\$5)                 | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/10/29 10:36 |
| S75 | 5           | EDI with ((document\$1 or transaction\$1) adj manag\$5)                 | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/10/29 10:37 |
| S76 | 18          | EDI same ((document\$1 or transaction\$1) adj manag\$5)                 | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/10/29 10:39 |
| S77 | 115         | EDI and ((document\$1 or transaction\$1) adj manag\$5)                  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/10/29 10:41 |
| S78 | 102         | (EDI and ((document\$1 or transaction\$1) adj manag\$5)) and version\$3 | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/10/29 10:59 |
| S79 | 1           | "6092080".PN.   | USPAT                                      | OR | OFF | 2004/10/29 10:52 |
| S80 | 1           | "5813009".PN.   | USPAT                                      | OR | OFF | 2004/10/29 10:53 |
| S81 | 5           | "6289460".URPN.   | USPAT                                      | OR | OFF | 2004/10/29 10:56 |
|     |             |   |  |    |     |                  |

| S82 | 89   | ((EDI and ((document\$1 or<br>transaction\$1) adj manag\$5)) and<br>version\$3) and (checkin\$1 or<br>checkout\$1 or (check adj in\$1) or<br>(check adj out\$1)) | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | OFF | 2004/10/29 11:13 |
|-----|------|--|---|----|-----|------------------|
| S83 | 325  | transaction adj document\$1  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | OFF | 2004/10/29 11:13 |
| S84 | 21   | (transaction adj document\$1) and (EDI or (electronic adj data adj interchang\$1))   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | OFF | 2004/10/29 11:14 |
| S85 | 19   | ((transaction adj document\$1) and (EDI or (electronic adj data adj interchang\$1))) and version\$3  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | OFF | 2004/10/29 11:14 |
| S86 | 2    | ("5,557,780").PN.  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB    | OR | OFF | 2004/12/04 11:03 |
| S87 | 2    | ("5813009").PN.  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB    | OR | OFF | 2004/12/04 11:04 |
| S88 | 2    | ("5,813,009").PN.  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB    | OR | OFF | 2004/12/08 13:54 |
| S89 | 2    | ("6748425").PN.  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB    | OR | OFF | 2004/12/08 13:54 |
| S90 | 2    | ("5813009").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/16 09:45 |
| S91 | 8821 | ((documentation\$1 or document\$1) near (manag\$5 or maintain\$5))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/16 09:50 |

|          |      |  | 110 0000  | 00   | 0.55 | 2227/25/15 25    |
|----------|------|--|---|------|------|------------------|
| S92      | 571  | S91 and (EDI or (electronic adj<br>data adj interchang\$3) or<br>interchang\$3)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF  | 2005/06/16 09:48 |
| S93      | 0    | S92 and @ad<-20010306  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF  | 2005/06/16 09:48 |
| S94      | 4210 | S91 and (EDI or (electronic adj<br>data adj interchang\$3) or<br>interchang\$3 or interfac\$3)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF  | 2005/06/16 09:48 |
| S95      | 0    | S94 and @ad<-20010306  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF  | 2005/06/16 09:48 |
| S96      | 1813 | S94 and @ad<="20010306"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF  | 2005/06/16 10:13 |
| S97      | 785  | S96 and (edifact or protocol\$1 or xml)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF  | 2005/06/16 09:49 |
| S98      | 237  | S97 and (((documentation\$1 or document\$1) near (manag\$5 or maintain\$5)) same (EDI or (electronic adj data adj interchang\$3) or interchang\$3 or interfac\$3))         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | OFF  | 2005/06/16 09:51 |
| S99      | 88   | S97 and (((documentation\$1 or document\$1) near (manag\$5 or maintain\$5)) with (EDI or (electronic adj data adj interchang\$3) or interchang\$3 or interfac\$3))         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF  | 2005/06/16 10:04 |
| S10<br>0 | 88   | S97 and (((documentation\$1 or document\$1) near (manag\$5 or maintain\$5)) with (EDI or (electronic adj data adj interchang\$3) or interchang\$3 or ANSI or interfac\$3)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF  | 2005/06/16 10:03 |

| S10<br>1 | 0   | S97 and (((documentation\$1 or document\$1) near (manag\$5 or maintain\$5)) with (EDI or (electronic adj data adj interchang\$3) ))          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR · | OFF | 2005/06/16 10:04 |
|----------|-----|--|---|------|-----|------------------|
| S10<br>2 | 1   | S97 and (((documentation\$1 or document\$1) near (manag\$5 or maintain\$5)) same (EDI or (electronic adj data adj interchang\$3) ))          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/06/16 10:07 |
| S10<br>3 | . 1 | S97 and (((documentation\$1 or document\$1) near (manag\$5 or maintain\$5)) same (EDI or (electronic adj data adj interchang\$3) or ANSI))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/06/16 10:07 |
| S10<br>4 | 1   | S97 and (((documentation\$1 or document\$1) near (manag\$5 or maintain\$5)) same (EDI or (electronic adj data adj interchang\$3) or "x.12")) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/06/16 10:08 |
| S10<br>5 | 59  | S97 and ((manag\$5 or<br>maintain\$5) same (EDI or<br>(electronic adj data adj<br>interchang\$3) or "x.12"))                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/06/16 10:09 |
| S10<br>6 | 36  | S97 and ((manag\$5 or<br>maintain\$5) with (EDI or<br>(electronic adj data adj<br>interchang\$3) or "x.12"))                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/06/16 10:09 |
| S10<br>7 | 31  | S97 and ((manag\$5 or<br>maintain\$5) near (EDI or<br>(electronic adj data adj<br>interchang\$3) or "x.12"))                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/06/16 10:10 |
| S10<br>8 | 87  | ((manag\$5 or maintain\$5) near<br>(EDI or (electronic adj data adj<br>interchang\$3) or "x.12"))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/06/16 10:10 |
| S10<br>9 | 60  | S108 and @ad<="20010306"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/06/16 11:10 |
| S11<br>0 | 48  | S109 and (link\$3)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/06/16 10:32 |

| S11<br>1 | 39  | S110 and (version\$3)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/16 10:17 |
|----------|-----|--|---|----|-----|------------------|
| S11<br>2 | 33  | S110 and (version\$3 near control\$4)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/16 10:32 |
| S11<br>3 | 32  | S109 and (linkage\$1)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/16 10:32 |
| S11<br>4 | 32  | S113 and (version\$3 near control\$4)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/16 11:09 |
| S11<br>5 | 718 | (EDI or (electronic adj data adj<br>interchang\$3)) same<br>(management\$1 or integrat\$4) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/16 11:10 |
| S11<br>6 | 49  | "l126" and @ad<="20010306"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/16 11:10 |
| S11<br>7 | 305 | S115 and @ad<="20010306"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/16 11:10 |
| S11<br>8 | 87  | (EDI or (electronic adj data adj<br>interchang\$3)) near<br>(management\$1 or integrat\$4) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/16 11:10 |
| S11<br>9 | 48  | S118 and @ad<="20010306"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/16 11:36 |
| S12<br>0 | 81  | gentran  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/16 11:37 |

| 0:0      |     |  | LIC DODLID  | OB   | 055 | 2005/05/15 11 15 |
|----------|-----|--|---|------|-----|------------------|
| S12<br>1 | 38  | gentran and EDI  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/06/16 11:42 |
| S12<br>2 | 2   | ("6519617").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/06/16 11:42 |
| S12<br>3 | 2   | ("6125391").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | OFF | 2005/06/16 11:42 |
| S12<br>4 | 30  | ("5742845"   "6012098").PN. OR<br>("6125391").URPN.          | US-PGPUB;<br>USPAT;<br>USOCR                            | OR   | OFF | 2005/06/16 12:44 |
| S12<br>5 | 20  | S124 and version\$1  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR   | OFF | 2005/06/16 12:44 |
| S12<br>6 | 21  | S124 and manag\$5  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR   | OFF | 2005/06/16 12:45 |
| S12<br>7 | 0   | S124 and manag\$5 and lock\$3                                | US-PGPUB;<br>USPAT;<br>USOCR                            | OR   | OFF | 2005/06/16 12:45 |
| S12<br>8 | . 3 | S124 and manag\$5 and (lock\$3 or inhibit\$3 or prohibit\$3) | US-PGPUB;<br>USPAT;<br>USOCR                            | OR . | OFF | 2005/06/16 12:45 |
| S12<br>9 | 2   | ("6868401").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/06/20 12:33 |
| S13<br>0 | 2   | ("6125391").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/06/20 12:35 |
| S13<br>1 | 2   | ("6889260").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/06/20 12:37 |
| S13<br>2 | 2   | S131 and transmit\$4 and receiv\$3                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/06/20 12:39 |

| S13<br>3 | 1                | S131 and transmit\$4 and receiv\$3 and metadata              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/20 12:39 |
|----------|------------------|--|---|----|-----|------------------|
| S13<br>4 | 23581            | transaction\$1 near ((manag\$3 or management) or process\$3) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/22 13:36 |
| S13<br>5 | 79 <del>44</del> | S134 and (interchang\$3 or exchang\$3)                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/22 13:31 |
| S13<br>6 | 1033             | S135 and (edifact or "x.12" or ansi or EDI)                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/22 13:37 |
| S13<br>7 | 582              | S136 and @ad<="20010306"                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/22 13:37 |
| S13<br>8 | 230 <sup>-</sup> | S137 and (lock\$3 or lockout\$1 or (lock adj out\$1))        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/22 13:37 |
| S13<br>9 | 28062            | document\$1 near ((manag\$3 or management) or process\$3)    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/22 13:36 |
| S14<br>0 | 575              | S139 and (edifact or "x.12" or ansi or EDI)                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/22 13:37 |
| S14<br>1 | 289              | S140 and @ad<="20010306"                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/22 13:54 |
| S14<br>2 | 103              | S141 and (lock\$3 or lockout\$1 or (lock adj out\$1))        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/22 13:51 |

| S14<br>3 | 249   | S141 and (lock\$3 or lockout\$1 or (lock adj out\$1) or block\$3 or restrict\$3)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/22 13:38 |
|----------|-------|---|---|----|-----|------------------|
| S14<br>4 | 140   | S141 and (lock\$3 or lockout\$1 or (lock adj out\$1) or inhibit\$3 or disabl\$3)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/22 13:54 |
| S14<br>5 | 50    | S144 and collabor\$6  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/22 13:52 |
| S14<br>6 | 18232 | S139 and @ad<="20010306"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/22 14:01 |
| S14<br>7 | 493   | S146 and ((lock\$3 or lockout\$1 or (lock adj out\$1) or inhibit\$3 or disabl\$3 or block\$3 or restrict\$3) and collaborat\$7) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/22 13:59 |
| S14<br>8 | 394   | S147 and (receiv\$3 and send\$3)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/22 13:59 |
| S14<br>9 | 356   | S146 and ((lock\$3 or lockout\$1 or (lock adj out\$1) or inhibit\$3 or disabl\$3 or restrict\$3) and collaborat\$7)             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/22 14:03 |
| S15<br>0 | 298   | S149 and (receiv\$3 and send\$3)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/22 14:01 |
| S15<br>1 | 312   | (715/511).CCLS.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/22 14:01 |
| S15<br>2 | 215   | S151 and @ad<="20010306"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/22 14:02 |

| S15<br>3 | 24   | S152 and (document\$1 near (managing or management))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/06/22 14:02 |
|----------|------|---|---|------|-----|------------------|
| S15<br>4 | 3    | S153 and ((lock\$3 or lockout\$1 or (lock adj out\$1) or inhibit\$3 or disabl\$3 or restrict\$3) and collaborat\$7) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | OFF | 2005/06/22 14:03 |
| S15<br>5 | 4577 | (electronic adj data adj<br>interchang\$3) or (EDI)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/10/24 15:01 |
| S15<br>6 | 1156 | S155 and xml  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/10/24 15:02 |